How Can You Use Mission Systems?

1. Complete stand-alone alarm and SCADA system
   Small to medium-size municipalities use the Mission system as a complete stand-alone alarm or managed SCADA system. This works especially well for lift stations, at less than half the price of custom-developed SCADA. Mix and match RTUs and the Manhole Monitor to meet your needs. All Mission-managed service packages include communications, data storage, alarm call-outs, reports, and technical support.

2. Dialer replacement
   A full Mission SCADA system costs less than a telephone dialer. You can upgrade one site at a time or the whole collection system.

3. Back up to existing problem or critical sites
   Mission can provide backup or problem critical sites that require redundant monitors and alarms. This improves system reliability and effectiveness for daily operations.

4. Fill-in to existing SCADA-hybrid or blended system
   View your Mission data through our web interface, send the data into your existing SCADA software via our OPC client for redundant monitors or both. System savings with this approach typically run in the tens of thousands dollar range, both upfront and over time.

5. In-sewer monitoring and alarming
   Protect your organization from liability by monitoring your manholes to identify problems before they escalate and ultimately lead to spills. These low-maintenance, battery-driven systems install completely under the road bed, are waterproof and rugged, and cost less than $1 per day to operate.

Where Can You Use Mission Systems?

Water
- Tanks and Wells
- Flow Meters
- PRV Stations
- Storms, Ponds, Reservoirs, etc.

Monitoring and Reporting:
- Real-Time Alarms
- Pump Starts and Runtimes
- Level
- Flow
- Current

Remote Control:
- Tanks and Wells
- Standby Equipment
- Chemical Dosing

Wastewater
- Lift Stations
- Manhole Sites
- Booster Stations

Monitoring and Reporting:
- Pressure
- Chlorine
- Temperature

Remote Control:
- Tanks and Wells
- Standby Equipment
- Chemical Dosing

With Mission-Managed SCADA, you can:

- Install RTUs in a morning, and control costs all day
- Quickly identify system issues while on the go
- Leverage more control over your systems to increase performance
- Simplify compliance reporting
- Increase efficiency by reducing pump wear
- Monitor your sewer/wastewater system from anywhere

You’re Never Alone

We’re ready to hand over the keys to a SCADA system built to meet your unique requirements. Everything is protected, affordable, and as easy as 1-2-3. You can even take a no-risk trial of our stand-alone RTU. We’ll make it easy to move forward from there with a clear and predictable total cost of ownership.

Share your needs with us, and we’ll get to work determining the best path to achieving your water/wastewater monitoring goals. We provide live technical support, comprehensive training videos, and regular webinars. U.S. based after-hours support is always available on a responsive callback basis for emergencies—no additional charge.

Contact Mission today!

Where Can You Use Mission Systems?

Weather
- Rainfall tipping buckets to get a complete rainfall monitoring system.

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Where Can You Use Mission Systems?

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Why Mission-Managed SCADA
Mission-managed SCADA is a turnkey system delivered through a model that enables you to gain complete system monitoring right from your desktop or mobile device. Mission provides and maintains everything you need to monitor and operate your system. Mission-managed SCADA is simply a better approach. It works out of the box—the first time, every time.

Included Out of the Box:
- A SCADA system that’s up and running in a few hours—no programming required
- Highly flexible, customized alarm scheduling
- Data access via web-based HMI optimized for computers, smartphones, and tablets
- Reports, graphs, tables, and charts designed specifically for the unique needs of water/wastewater professionals

Not Included:
- Predictable cost of ownership with technology obsolescence and price stability guarantees
- Expandable field RTUs with the most-used features already built in
- A system that uses cellular data networks for enhanced reliability with all data usage included in the annual fee, while Mission manages the carrier relationships
- Single point of contact for any issues or maintenance needs
- Sofisticated as you want it to be. Our alert system can notify you of anomalies to help reduce pump wear and tear, power usage, and more.

Six Components of a Dynamic, Reliable System

1. Fully flexible, proactive alarms
   - Our diagnostic alert systems and RTU devices alert you to issues in real-time with your lift stations, pump stations, tanks, wells, booster stations, and RTU stations to prevent spills and other costly problems.
   - Alarms can be configured for phone, voice mail, email, pager, and even to your existing EMS software through an OPC data link. The alarms call out the location setup is easy, flexible, and intuitive. It can be as simple or sophisticated as you want it to be. Our alert systems can notify you of anomalies to help reduce pump wear and tear, power usage, and more.

2. Comprehensive reports and graphics accessible from anywhere
   - RTU data can be securely accessed in the office or field from devices such as desktop computers, smartphones, and tablets. There is no RTU software to install or maintain. With the Mission reporting and graphing features, you can:
     - Compare pump station flow with local rainfall to study inflow/infiltration
     - Reduce wear and tear on your pumps by analyzing pump runtimes and starts for anomalies
     - Track site access for maintenance records
     - Record and report chlorine residual levels for compliance reporting

3. National wireless networks that are ready when you are
   - Mission has direct relationships with multiple cellular providers that ensure coverage on our field devices. National wireless networks that are ready when you are and include in-sewer, real-time CSO/SSO manhole monitors and an onboard interactive display and enhanced electronics.

4. Dedicated security and performance managed by Mission
   - The Mission defense-in-depth security strategy centers on layering security measures into the system. The system is monitored from several perspectives so Mission engineers can identify any anomaly immediately. We also author—and continuously improve—our own software, enabling us to maintain our high level of performance standards and ensure continued feature upgrades.

5. Intelligently hardware with solid and sophisticated capabilities
   - Easy to install—purpose-built RTUs speed and simplify installation and include all necessary hardware. There is no programming required, and RTUs are self-enrolling.

Model M110
- Real-time alarms
- Weekly updates
- Continuous and secure RTU connection
- Manual remote control

Model M600
- Real-time alarms and streaming analog data for trending
- Real-time pump state changes
- Continuous and secure RTU connection
- Automated remote control with optional Tank and well packages

MyDro, MyDro 150, and MyDro 850 RTUs
- New generation—MyDro RTUs harness all of the functionality of the M110 and M600 and take it further with an outward interactive display and enhanced electronics.

Marshall Monitor
- To receive real-time CMUX alarms
- zigBee, wireless enclosure
- LED annunciator
- on battery
- in read antenna

Mission performance is guaranteed year after year
You never have to worry about technology obsolescence with Mission. We help our customers meet evolving challenges by staying on top of industry trends and making sure our features are readily available. Our managed service model provides the opportunity to upgrade previously installed equipment to the latest RTU without high upfront or out-of-warranty expenses that sometimes result from high price ceilings. That assurance is reinforced with our predictable cost of ownership—pledge set to increase our annual service fees more than the rate of inflation. We want to carry your business, month after month, year after year, by delivering state-of-the-art technology through the most streamlined, cost-effective model available.
Why Mission-Managed SCADA

Mission-managed SCADA is a turnkey system delivered through a model that enables you to gain complete system monitoring right from your desktop or mobile device. Mission provides and maintains everything you need to monitor and operate your system. Mission-managed SCADA is simply a better approach. It works out of the box—the first time, every time.

Included Out of the Box:
- A SCADA system that’s up and running in a few hours—no programming required
- Highly flexible, customized alarm scheduling
- Data access via web-based HMI optimized for computers, smartphones, and tablets
- Reports, graphs, tables, and charts designed specifically for the unique needs of water/wastewater professionals
- Expandable field RTUs with the most-used features already built in
- A system that uses cellular data networks for enhanced reliability with all data usage included in the annual fee, while Mission manages the carrier relationships
- Predictable cost of ownership with technology obsolescence and price stability guarantees

Not Included:
- Complicated radio path studies, expensive private radio upgrades, and network maintenance
- The headaches and hassle of building a team to manage your own SCADA environment

Six Components of a Dynamic, Reliable System

1. Fully flexible, proactive alarms
Our diagnostic alert systems and the software algorithms to notify you of anomalies in real-time with your lift stations, pump-stations, tanks, wells, booster stations, and I/O stations to prevent spills and other costly problems. Alarms can defer to phone, text message, email, pager, and even to your existing HMI software through OPC data link. The alarm call-out schedule setup is easy, flexible, and intuitive. It can be as simple or sophisticated as you want it to be. Our alert system can notify you of anomalies to help reduce pump wear and tear, power usage, and more.

2. Comprehensive reports and graphs accessible from anywhere
RTU data can be securely accessed in the office or field from devices such as desktop computers, smartphones, and tablets. There is no RTU software to install or maintain. With the Mission reporting and graphing features, you can: • Compare pump station flow with local rainfall to study inflow/infiltration • Reduce wear and tear on your pumps by analyzing pump runtimes and starts for anomalies • Track site access for maintenance records • Record and report chlorine residual levels for compliance reporting

3. National wireless networks that are ready when you are
Mission has direct relationships with multiple cellular providers that uniquely allow us to have redundant, private gateways (signal paths) through the cellular system. These redundancy and data protocols are part of what allows Mission to deliver end-to-end uptime reliability much better than traditional phone lines or private radio. We purchase in “bulk” and pass the savings on to you.

4. Dedicated security and performance managed by Mission
The Mission defense-in-depth security strategy centers on layering security measures into the system. The system is monitored from several perspectives so Mission engineers can identify any anomaly immediately. We also author—and continuously improve—our own software, enabling us to maintain our high level of performance standards and ensure continued feature upgrades.

5. Intelligent hardware with solid and sophisticated capabilities
Easy to install—purpose built RTUs speed and simplify installation and include all necessary hardware. There is no programming required, and RTUs are self-starting.

6. Mission performance is guaranteed year after year
You never have to worry about technology obsolescence with Mission. We help our customers meet evolving challenges by staying on top of industry trends and making sure our features are always available. Our managed service model provides the opportunity to upgrade previously installed equipment to the latest RTUs without high upfront or out-of-warranty expenses. That assurance is reinforced with our predictable cost of ownership—a pledge not to increase our annual service fee more than the rate of inflation. We want to earn your business, month after month, year after year, by delivering one of the art technology through the most streamlined, cost-effective model available.
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• Expandable field RTUs with the most-used features already built in
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Six Components of a Dynamic, Reliable System

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4. Intelligent hardware with solid and sophisticated capabilities
   - Our M900 RTU is a high-end RTU that comes standard with all the great features of the M110 and M800 and takes it further with an onboard interactive display and enhanced electronics.

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2. Dialer replacement
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4. Fill-in to existing SCADA—hybrid or blended system
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5. In-sewer monitoring and alarming
   Protect your organization from liability by monitoring your manholes to identify problems before they escalate and ultimately lead to spills. These low-maintenance, battery-driven systems install completely under the road bed, are waterproof and rugged, and cost less than $1 per day to operate.

Where Can You Use Mission Systems?

**Water**
- Tanks and Wells
- Flow Meters
- PRV Stations
- Streams, Ponds, Reservoirs, etc.

**Wastewater**
- Lift Stations
- Manhole Sites
- Pump Stations
- Booster Stations

**Monitoring and Reporting:**
- Real-Time Alarms
- Pressure
- Chlorine
- Temperature
- Level
- Flow
- Current

**Remote Control:**
- Tanks and Wells
- Standby Equipment
- Chemical Dosing

Add a rainfall tipping bucket to get a complete rainfall monitoring system.

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- Tanks and Wells
- Flow Meters
- PRV Stations
- Steam, Ponds, Reservoirs, etc.

Wastewater
- Lift Stations
- Manhole Sites
- Septic Sumps
- Booster Stations

Monitoring and Reporting:
- Real-Time Alarms
- Pressure
- Pumps Starts and Runtimes
- Chlorine
- Level
- Temperature
- Flow
- Current

Remote Control:
- Tanks and Wells
- Standby Equipment
- Electrical Controls

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